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PowerShell Get-Help on command 'Get-NetAdapterAdvancedProperty'

PS C:\Users\wahid> Get-Help Get-NetAdapterAdvancedProperty

NAME

Get-NetAdapterAdvancedProperty

SYNOPSIS

Gets the advanced properties for a network adapter.

SYNTAX

Get-NetAdapterAdvancedProperty [[-Name] <String[]>] [-AllProperties] [-AsJob]

[-CimSession <CimSession[]>] -DisplayName <String[]> [-IncludeHidden]

[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-NetAdapterAdvancedProperty [-AllProperties] [-AsJob] [-CimSession

<CimSession[]>] -DisplayName <String[]> [-IncludeHidden] -InterfaceDescription

<String[]> [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-NetAdapterAdvancedProperty [-AllProperties] [-AsJob] [-CimSession

<CimSession[]>] [-IncludeHidden] -InterfaceDescription <String[]>

-RegistryKeyword <String[]> [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-NetAdapterAdvancedProperty [-AllProperties] [-AsJob] [-CimSession

<CimSession[]>] [-IncludeHidden] -InterfaceDescription <String[]>
[-ThrottleLimit <Int32>] [<CommonParameters>]

Get-NetAdapterAdvancedProperty [[-Name] <String[]>] [-AllProperties] [-AsJob]
[-CimSession <CimSession[]>] [-IncludeHidden] [-ThrottleLimit <Int32>]
[<CommonParameters>]

Get-NetAdapterAdvancedProperty [[-Name] <String[]>] [-AllProperties] [-AsJob]
[-CimSession <CimSession[]>] [-IncludeHidden] -RegistryKeyword <String[]>
[-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-NetAdapterAdvancedProperty cmdlet gets the advanced properties for a network adapter. By default this cmdlet returns advanced properties that have display name values, meaning that these advanced properties are visible in the Advanced pane of the Adapter Properties in the Windows UI. Advanced properties that do not have display names require that the AllProperties parameter is specified. Individual advanced properties can also be selected either by DisplayName or RegistryKeyword parameters. Both of these parameters support the use of wildcard characters. The advanced properties are normally found in the following location in the registry `HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\xxxxxxxx` where `xxxx` is a four character string representing an integer such as 0007. The standardized keywords have a RegistryKeyword name that begins with an asterisk "*". The valid values for these keywords are available by piping the output into the Format-List cmdlet with the ValidDisplayValues or the ValidRegistryValues properties specified.

PARAMETERS

-AllProperties [<SwitchParameter>]

Indicates that the cmdlet gets all the advanced properties of the network

adapter. If this parameter is not specified, then only advanced properties that have a DisplayName parameter are returned.

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete. The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job completes. To manage the job, use the `*-Job` cmdlets. To get the job results, use the Receive-Job (https://go.microsoft.com/fwlink/?LinkID=113372)cmdlet. For more information about Windows PowerShellr background jobs, see about_Jobs (https://go.microsoft.com/fwlink/?LinkID=113251).

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession (https://go.microsoft.com/fwlink/p/?LinkId=227967) or [Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session on the local computer.

-DisplayName <String[]>

Specifies the advanced property name, as an array, shown in the Advanced tab under the network adapter properties in Windows Serverr 2012 and later.

-IncludeHidden [<SwitchParameter>]

Indicates that the cmdlet includes both visible and hidden network adapters in the operation. By default only visible network adapters are included. If a wildcard character is used in identifying a network adapter and this parameter has been specified, then the wildcard string is matched against both hidden and visible network adapters.

-InterfaceDescription <String[]>

Specifies an array of network adapter interface descriptions. For a

physical network adapter this is typically the name of the vendor of the network adapter followed by a part number and description, such as `Contoso 12345 Gigabit Network Device`.

-Name <String[]>

Specifies an array of network adapter names.

-RegistryKeyword <String[]>

Specifies the name of the registry value that this cmdlet reads, such as one of the registry values found in HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972-E325-11CE-BFC1-08002BE10318}\0007.

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then Windows PowerShellr calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit applies only to the current cmdlet, not to the session or to the computer.

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

Example 1: Get all advanced properties from all visible network adapters by the specified display name

PS C:\> Get-NetAdapterAdvancedProperty -Name "*"

This command gets all of the advanced properties that have a display name from all visible network adapters.

Example 2: Get all advanced properties from all visible network adapters

```
PS C:\> Get-NetAdapterAdvancedProperty -Name "*" -AllProperties
```

This command gets all of the advanced properties from all visible network adapters.

Example 3: Get all registry properties from all visible network

```
PS C:\> Get-NetAdapterAdvancedProperty -Name "*" -RegistryKeyword "*"
```

This command gets all of the registry properties from all visible network adapters.

Example 4: Get all advanced properties from hidden and visible network adapters

```
PS C:\> Get-NetAdapterAdvancedProperty -Name "*" -AllProperties -IncludeHidden
```

This command gets all of the advanced properties from all visible and hidden network adapters.

Example 5: Get all advanced properties from all network adapters

```
PS C:\> Get-NetAdapterAdvancedProperty -Name "*" -RegistryKeyword "*"
-IncludeHidden
```

This command gets all of the advanced properties from all network adapters.

Example 6: Get all unformatted advanced properties from the specified network adapter

```
PS C:\> Get-NetAdapterAdvancedProperty -Name "MyAdapter" | Format-List
-Property "*"
```

This command gets all of the unformatted, advanced properties from the network adapter named MyAdapter.

Example 7: Get the advanced properties for network adapters with a search

string for the display name

PS C:\> Get-NetAdapterAdvancedProperty -Name "*" | Where-Object -FilterScript { $_.DisplayName -Like "TCP*" }

This command gets the advanced properties for network adapters that have a display name that starts with TCP.

REMARKS

To see the examples, type: "get-help Get-NetAdapterAdvancedProperty -examples".
For more information, type: "get-help Get-NetAdapterAdvancedProperty -detailed".
For technical information, type: "get-help Get-NetAdapterAdvancedProperty -full".
For online help, type: "get-help Get-NetAdapterAdvancedProperty -online"